

Abstract

One aspect of the invention relates to a method for line matching of analog communication lines in telecommunications networks, whereby signal processor(s) and/or programmable digital filters are used. Coefficients of the line transmission function are calculated by an echo compensator to be compared with pre-specified filter coefficients in a filter device assigned to the line, in which case, an incorrect line matching is identified and a new set of filter coefficients is generated, which is fed into the filter device. In this case, the first values to be accepted and processed for the coefficients of the line transmission function calculated by the echo compensator and used for comparison, are those that are determined by an echo compensator for a first line gateway in a line path, which is associated with the reflection with the shortest delay time. In networks with high dispersion of the line parameters, the invention re-establishes the task distribution between line matching and echo compensator.